		Approved for use through 07/31/2006. OMB 0651-0031 ent and Trademark Office; U.S. DEPARTMENT OF COMMERCE tion of information unless it displays a valid OMB control number.
TRANSMITTAL	Filing Date	10/068,718
FORM	First Named Inventor	February 6, 2002  David K. Mesecher
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to be used for all correspondence and finitial fill	Examiner Name	Temesghen Ghebretinsae NOV 3 0 2004
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Total Number of Pages in This Submission		
	ENCLOSURES (Check all the	<del></del>
Fee Transmittal Form  Fee Attached  Amendment/Reply  After Final  Affidavits/declaration(s)  Extension of Time Request  Express Abandonment Request  Supplemental Information Disclosure Statement  Certified Copy of Priority Document(s)  Response to Missing Parts/ Incomplete Application  Response to Missing Parts under 37 CFR 1.52 or 1.53	Drawing(s)  Licensing-related Papers  Petition  Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Add  Terminal Disclaimer  Request for Refund  CD, Number of CD(s)  Remarks	After Allowance communication to Technology Center (TC)  Appeal Communication to Board of Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  Proprietary Information  Status Letter  Other Enclosure(s) (please Identify below):  Form PTO-1449 w/ copies of cited references (25) and European Search Report
SIGNAT	URE OF APPLICANT, ATTORN	NEY, OR AGENT
Firm Jeffrey M. Glabicki or Individual name Volpe and Koenig,/P.C Signature Date November 22, 2004		eg. No. 42,584
Date November 22, 2004		15.744.
I hereby certify that this correspondence is being	lope addressed to: Mail Stop Amendmer	N/MAILING or deposited with the United States Postal Service with ont, Commissioner for Patents, P.O. Box 1450, Alexandria
Signature May May	Malli-	Date November 22, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.





#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOV 3 0 2004

Technology Center 2600

In the **PATENT APPLICATION** of:

David K. Mesecher

**Application No.:** 10/068,718

Confirmation No.: 2637

Filed:

February 6, 2002

For: BASE STATION FOR USE IN A CDMA COMMUNICATION SYSTEM USING AN

ANTENNA ARRAY

Group:

2637

Examiner:

Temesghen Ghebretinsae

Our File:

I-2-0108.3US

Date:

November 22, 2004

#### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Further to Applicant's Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicant wishes to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (\*). Copies of the newly cited non-U.S. patent documents are enclosed.

Pursuant to amended 37 C.F.R. §1.98(a)(2)(i), copies of the cited U.S. patent documents have not been included. Copies of all other newly cited references are enclosed.

Pursuant to 37 C.F.R. § 1.97(e)(1), the undersigned certifies that each newly cited item of information indicated by a double asterisk (\*\*) contained in this Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, copy enclosed, and that this communication was not received by any individual designated in §1.56(c) more than three (3) months prior to the filing of the information disclosure statement.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

David K. Mesecher

Jeffrey M. Glabicki

Registration No. 42,584

 $(215)\ 568-6400$ 

Volpe and Koenig, P.C. United Plaza, Suite 1600 30 South 17th Street Philadelphia, PA 19103

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#### FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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ATTY. DOCKET NO. I-2-0108.3US

SERIAL NO. 10/068,718

APPLICANT
David K. Mesecher

FILING DATE February 6, 2002 GROUP NOV28370 2004

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Sheet 2 of 5

FORM PTO-1449

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SERIAL NO. 10/068,718

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

APPLICANT David K. Mesecher

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

FILING DATE February 6, 2002 GROUP 2637

(Use several sheets if necessary)

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Sheet 3 of 5

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	U.S. DEPARTMENT OF COMMERCE			I-2-0108.3US 10/068,718					
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EXAMINER			DATE	NAME	CLASS	SUBCLASS		DATE IF	
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Sheet 5 of 5 ATTY. DOCKET NO. SERIAL NO. FORM PTO-1449 I-2-0108.3US 10/068,718 U.S. DEPARTMENT OF COMMERCE **APPLICANT** PATENT AND TRADEMARK OFFICE David K. Mesecher INFORMATION DISCLOSURE **FILING DATE GROUP** STATEMENT BY APPLICANT February 6, 2002 2637 (Use several sheets if necessary) OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Pahlavan et al., "Performance of Adaptive Matched Filter Receivers Over Fading Multipath Channels," IEEE Transactions on Communications, Vol. 38, No. 12, December 1990, pp. 2106-2113. Latva-aho et al., "LMMSE Detection for DS-CDMA Systems in Fading Channels," IEEE Transactions on Communications, Vol. 48, No. 2, February 2000, 194-199. Majmundar et al., "Adaptive Single-User Receivers for Direct-Sequence Spread-Spectrum CDMA Systems," IEEE Transactions on Vehicular Technology, Vol. 49, No. 2, March 2000, pp. 379-389. Foerster et al., "Coding for a Coherent DS-CDMA System Employing an MMSE Receiver in a Rayleigh Fading Channel," IEEE Transactions on Communications, Vol. 48, No. 6, June 2000, pp. 1012-1021.

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